

**NIRETAN B F50**

PA6-GF50

Soredi S.p.a.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.007</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Break	<b>210 / -</b>	MPa	ASTM D 638
Flexural Modulus	<b>13500 / -</b>	MPa	ASTM D 790
Flexural Strength	<b>200 / -</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 110 /</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>173 / -</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>86.5 / -</b>	J/m	ASTM D 256
Temperature	<b>-20</b>	°C	-
<b>Thermal properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Coeff. of linear therm. expansion, normal	<b>50 / *</b>	E-6/K	ISO 11359-1/-2
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
DTUL @ 264 psi	<b>190</b>	°C	ASTM D 648
Melting Temperature	<b>220</b>	°C	ASTM D 3418
<b>Electrical properties</b>			
	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>3.8 / 4.2</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>200 / 1200</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E13 / 1E10</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>* / 1E13</b>	Ohm	IEC 62631-3-2
Electric strength	<b>34 / 24</b>	kV/mm	IEC 60243-1
<b>Other properties</b>			
	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>6</b>	%	ASTM D 570
Density	<b>1560</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe